

MINNESOTA AG NEWS

WEEKLY CROP-WEATHER



USDA, NASS, MINNESOTA
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Released: July 23, 2007
Issue No: CW-29-07

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USDA, NASS, MINNESOTA FIELD OFFICE, IN COOPERATION WITH THE NATIONAL WEATHER SERVICE - CHANHASSEN MN,
UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, AND USDA-NRCS

OAT AND BARLEY HARVESTS A WEEK AHEAD OF AVERAGE

The oat and barley harvests picked up speed last week, about one week ahead of the average pace, according to USDA, NASS, Minnesota Field Office. The spring wheat harvest was getting underway as grains were ripening rapidly amid dry weather. Topsoil moisture supplies continued to dwindle, as nearly 75 percent of the state was rated as Short or Very Short. Corn silking and soybeans blooming were more than 80 percent complete. Producers were spraying for soybean aphids, more notably in the southeast corner of the state.

The average temperature for the week was 69.7°, 0.6° below normal. Statewide topsoil moisture supplies as of Friday were rated 37 percent very short, 35 short, 27 adequate, and 1 surplus.

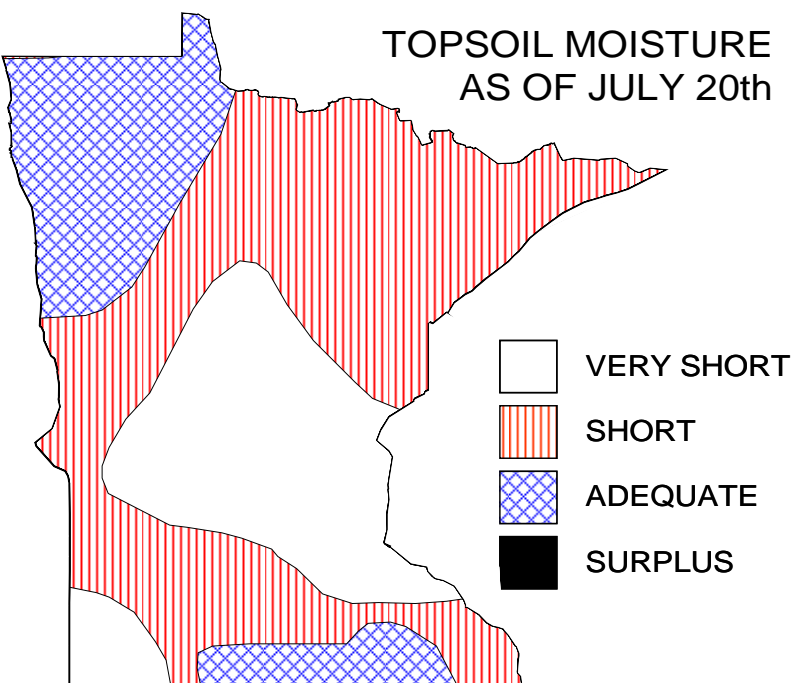
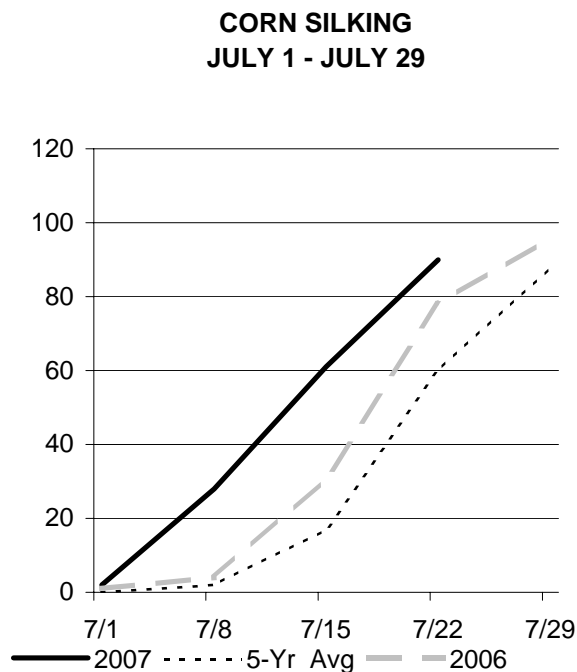
As of Sunday July 22nd, ninety percent of corn acreage was silking compared to 60 percent for the five-year average. Twelve percent of corn acreage was in the milk stage compared to 3 percent average. Soybeans were 82 percent blooming compared to 73 percent average. Seventy-five percent of spring wheat acreage was turning ripe, with 4 percent combined. Oats were 90 percent turning ripe, with 26 percent combined.

As of Friday, July 20th, forty percent of field corn and 48 percent of soybeans were rated in Good or Excellent condition. Sixty-nine percent of spring wheat was rated in Good or Excellent condition. Sunflower conditions were rated 71 percent Good or Excellent.

| Days Suitable for Fieldwork: 6.5 | | | | |
|----------------------------------|------------|-------|----------|---------|
| | Very Short | Short | Adequate | Surplus |
| Topsoil Moisture (%) | 37 | 35 | 27 | 1 |

| Crop Progress as of July 22, 2007 | | | | | |
|-----------------------------------|----------------------|---------------------|-----------|-----------|----------|
| Crop | Stage of Development | This Week | Last Week | Last Year | 5 Yr Avg |
| | | ----- Percent ----- | | | |
| Corn | Silking | 90 | 61 | 78 | 60 |
| | Milk | 12 | 1 | 5 | 3 |
| Soybeans | Blooming | 82 | 65 | 85 | 73 |
| | Setting Pods | 25 | 10 | 26 | 16 |
| Spring Wheat | Turning Ripe | 75 | 42 | 75 | 47 |
| | Harvested | 4 | 1 | 2 | 1 |
| Oats | Turning Ripe | 90 | 78 | 92 | 71 |
| | Harvested | 26 | 4 | 14 | 8 |
| Barley | Turning Ripe | 88 | 59 | 85 | 56 |
| | Harvested | 13 | 1 | 6 | 2 |
| Sweet Corn | Harvested | 7 | NA | 3 | 1 |

| Crop Condition as of July 20, 2007 in % | | | | | |
|---|-----------|------|------|------|-----|
| | Very Poor | Poor | Fair | Good | Exc |
| Pasture | 23 | 32 | 28 | 16 | 1 |
| Corn | 10 | 16 | 34 | 33 | 7 |
| Soybeans | 6 | 12 | 34 | 41 | 7 |
| Spring Wheat | 3 | 6 | 22 | 47 | 22 |
| Oats | 8 | 11 | 29 | 41 | 11 |
| Barley | 5 | 6 | 25 | 41 | 23 |
| Sugarbeets | 1 | 6 | 26 | 52 | 15 |
| Potatoes | 0 | 1 | 16 | 62 | 21 |
| Dry Beans | 3 | 9 | 28 | 47 | 13 |
| Canola | 2 | 3 | 24 | 48 | 23 |
| Sunflowers | 2 | 5 | 22 | 48 | 23 |



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 22,2007:
Temperatures averaged from 3.0 degrees below normal in the Northeast District to 0.8 degree above normal in the Southwest District. Extremes: 37 degrees in Hibbing; 94 degrees in Worthington. Precipitation averaged from 0.82 inch below normal in the Southeast District to 0.06 inch below normal in the Southwest District. Greatest weekly total was 1.98 inches recorded in Worthington.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 7/16/2007 through 7/22/2007

| | Temperature | | | | Precipitation | | | | G D D | |
|--------------------|-------------|-----|----------|------------------|---------------|------------------|-----------------|----------------|-------------|------------------|
| | High | Low | Week Ave | Depart from Norm | Week Total | Depart Past Week | From Four Weeks | Norm Since 4/1 | Since May 3 | Depart from Norm |
| <u>NW DIST 1</u> | | | | | | | | | | |
| Crookston | 84 | 51 | 68.7 | -1.2 | .40 | -.28 | -.84 | 2.68 | 1246 | 55 |
| Moorhead | 90 | 56 | 72.8 | 1.8 | 0 | -.62 | -1.73 | 4.10 | 1434 | 189 |
| Warroad | 83 | 51 | 67.2 | -.5 | 0 | -.81 | 1.19 | 3.60 | 1115 | 85 |
| <u>NC DIST 2</u> | | | | | | | | | | |
| Grand Rapids | 87 | 44 | 67.3 | -.5 | .12 | -.90 | -3.49 | -3.59 | 1239 | 192 |
| Intl. Falls | 82 | 40 | 63.1 | -3.4 | .15 | -.58 | -1.41 | 1.14 | 1042 | 60 |
| Itasca | 85 | 46 | 67.0 | .5 | .80 | -.06 | -.33 | 2.52 | 1199 | 229 |
| <u>NE DIST 3</u> | | | | | | | | | | |
| Duluth | 85 | 45 | 63.6 | -2.5 | .49 | -.44 | -2.24 | -2.62 | 1001 | 117 |
| Grand Marais | 74 | 48 | 59.2 | -2.2 | 0 | -.75 | -2.00 | -1.52 | 499 | -71 |
| Hibbing | 84 | 37 | 62.2 | -4.2 | 1.55 | .49 | -2.26 | -4.59 | 1044 | 99 |
| <u>WC DIST 4</u> | | | | | | | | | | |
| Alexandria | 88 | 53 | 72.7 | 2.1 | .03 | -.66 | -2.53 | -4.16 | 1393 | 201 |
| Browns Valley | 86 | 49 | 70.3 | -2.5 | .43 | -.34 | -2.37 | 5.10 | 1339 | 19 |
| Canby | 88 | 55 | 73.0 | -.6 | .49 | -.23 | -2.79 | -1.57 | 1503 | 117 |
| Fergus Falls | 88 | 56 | 70.9 | .5 | .36 | -.37 | -2.31 | 4.62 | 1379 | 174 |
| Montevideo | 89 | 52 | 71.6 | -.7 | .04 | -.70 | -3.20 | -4.72 | 1474 | 151 |
| Morris | 89 | 51 | 70.8 | -.7 | .13 | -.75 | -2.85 | -.50 | 1382 | 91 |
| <u>CENT DIST 5</u> | | | | | | | | | | |
| Becker | 89 | 51 | 71.9 | 1.6 | .14 | -.79 | -2.10 | -5.39 | 1462 | 272 |
| Collegeville | 90 | 52 | 73.0 | .3 | .24 | -.53 | -2.57 | -5.41 | 1555 | 209 |
| Hutchinson | 89 | 49 | 71.4 | -1.1 | 0 | -.82 | -3.54 | -5.27 | 1509 | 156 |
| Olivia | 90 | 51 | 71.6 | .0 | 0 | -.76 | -3.01 | -3.40 | 1430 | 104 |
| St. Cloud | 89 | 47 | 71.2 | .9 | .03 | -.67 | -1.72 | -3.62 | 1417 | 227 |
| Staples | 86 | 47 | 68.1 | .2 | .20 | -.59 | -2.87 | .15 | 1243 | 173 |
| Willmar | 92 | 54 | 74.0 | 2.4 | 0 | -.78 | -3.44 | -3.87 | 1466 | 156 |
| <u>EC DIST 6</u> | | | | | | | | | | |
| Aitkin | 85 | 46 | 67.4 | .3 | .05 | -1.00 | -2.95 | -4.74 | 1228 | 219 |
| Forest Lake | 88 | 53 | 70.8 | -.4 | .12 | -.89 | -2.06 | -4.23 | 1435 | 159 |
| MSP Airport | 91 | 57 | 74.4 | .8 | .76 | -.13 | -.98 | -5.13 | 1624 | 234 |
| St. Paul - UofM | 89 | 53 | 72.8 | -1.0 | 1.28 | .32 | -2.04 | -6.78 | 1634 | 201 |
| <u>SW DIST 7</u> | | | | | | | | | | |
| Lamberton | 89 | 51 | 72.2 | -.1 | .78 | -.01 | -2.57 | -2.31 | 1479 | 98 |
| Pipestone | 92 | 52 | 73.5 | 1.5 | .29 | -.43 | -2.87 | -5.20 | 1428 | 128 |
| Redwood Falls | 90 | 50 | 73.8 | -.0 | .10 | -.74 | -3.45 | -4.14 | 1504 | 53 |
| Worthington | 94 | 51 | 71.7 | .4 | 1.98 | 1.22 | -1.50 | -3.48 | 1464 | 183 |
| <u>SC DIST 8</u> | | | | | | | | | | |
| Faribault | 88 | 50 | 70.8 | -.9 | .05 | -.91 | -3.67 | -6.76 | 1456 | 159 |
| Mankato | 87 | 53 | 71.8 | -.6 | .48 | -.45 | -3.62 | -8.10 | 1493 | 138 |
| Waseca | 86 | 52 | 71.1 | -.5 | .99 | -.02 | -1.96 | -3.14 | 1448 | 115 |
| Winnebago | 90 | 53 | 72.8 | .3 | .35 | -.56 | -3.26 | -7.59 | 1408 | 31 |
| <u>SE DIST 9</u> | | | | | | | | | | |
| Preston | 85 | 45 | 68.4 | -2.3 | .09 | -.96 | -3.72 | -3.48 | 1334 | 98 |
| Red Wing | 87 | 51 | 70.5 | -2.0 | .09 | -.87 | -3.13 | -5.06 | 1480 | 145 |
| Rochester | 86 | 51 | 70.0 | -.4 | .59 | -.46 | -3.34 | -4.74 | 1452 | 225 |
| Rosemount | 88 | 51 | 71.6 | .3 | .11 | -.94 | -1.99 | -4.92 | 1472 | 191 |
| Winona | 84 | 53 | 69.6 | -5.6 | .10 | -.85 | -2.56 | -3.16 | 1419 | -70 |

m=some data missing

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

The MINNESOTA WEEKLY CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the USDA-NASS Minnesota Field Office, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. POSTMASTER: Send address changes to the MINNESOTA WEEKLY CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

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PO Box 7068, ST. PAUL MN 55107
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Address Service Requested